

-- 56. A TV broadcast method for a system to be operated from a centralized TV broadcast facility, said method comprising:

- (a) generating alphanumeric characters and/or image data separately for each of plural remote sites at a central site and transmitting said alphanumeric characters and/or image data therefrom to said plural remote sites via a digital data communication link;
- (b) detecting whether said alphanumeric characters and/or image data have been received correctly at the said remote sites via said link;
- (c) transmitting broadcast television signals from the central site to each of said plural remote sites;
- (d) generating and transmitting command codes within non-displayed portions of broadcast television signals to remotely control each of said remote sites from the said central site;
- (e) converting said alphanumeric characters and/or image data to local vision materials with a graphic generator at each of said remote sites;
- (f) at each remote site, overlaying said local vision material synchronously onto the television broadcast signals without cutting off the television broadcast signals; and
- (g) detecting whether said local vision materials have been broadcast via transmission of digital information sent back to the central site.

57. A TV broadcast system to be operated from a centralized TV facility, said system comprising:

- (a) means for generating alphanumeric characters and/or image data separately for each of plural remote sites at a central site and transmitting said alphanumeric characters and/or image data therefrom to said plural remote sites via a digital data communication link;
- (b) means for detecting whether said alphanumeric characters and/or image data have been received correctly at the said remote sites via said link;
- (c) means for transmitting broadcast television signals from the central site to each of said plural remote sites;
- (d) means for generating and transmitting command codes within non-displayed portions of broadcast television signals to remotely control each of said remote sites from the said central site;
- (e) means for converting said alphanumeric characters and/or image data to local vision materials with a graphic generator at each of said remote sites;
- (f) means, at each remote site, for overlaying said local vision material synchronously onto the television broadcast signals without cutting off the television broadcast signals; and
- (g) means for detecting whether said local vision materials have been broadcast via transmission of digital information sent back to the central site.

58. A method of controlling each of a plurality of remote broadcast sites from a television studio, said method comprising:

- (a) generating alphanumeric characters and/or image data separately for each of the remote broadcast sites at a central site and transmitting said alphanumeric characters and/or image data therefrom to said plural remote broadcast sites via a digital data communication link;

- (b) detecting whether said alphanumeric characters and/or image data have been received correctly at the remote broadcast sites via said link;
- (c) transmitting broadcast television signals from the central site to each of said plural remote broadcast sites;
- (d) generating and transmitting command codes within non-displayed portions of broadcast television signals to remotely control each of said remote broadcast sites from the said central site;
- (e) converting said alphanumeric characters and/or image data to local vision materials with a graphic generator at each of said remote sites;
- (f) at each remote site, overlaying said local vision material synchronously onto the television broadcast signals without cutting off the television broadcast signals; and
- (g) detecting whether the local vision materials have been broadcast via transmission of digital information sent back to the central site.

59. A system for controlling each of a plurality of remote broadcast sites from a television studio, said method comprising:

- (a) means for generating alphanumeric characters and/or image data separately for each of the remote broadcast sites at a central site located within said television continuity studio, and transmitting said alphanumeric characters and/or image data from said central site to said plural remote broadcast sites via a digital data communication link;
- (b) means for detecting whether said alphanumeric characters and/or image data have been received correctly at the remote broadcast sites via said link;
- (c) means for transmitting broadcast television signals from the central site to each of said plural remote broadcast sites;

- (d) means for generating and transmitting command codes within non-displayed portions of broadcast television signals to remotely control each of said remote broadcast sites from the said central site;
- (e) means for converting said alphanumeric characters and/or image data to local vision materials with a graphic generator at each of said remote sites;
- (f) means, at each remote site, for overlaying said local vision material synchronously onto the television broadcast signals without cutting off the television broadcast signals; and
- (g) means for detecting whether the local vision materials have been broadcast via transmission of digital information sent back to the central site.--